WEST Search History

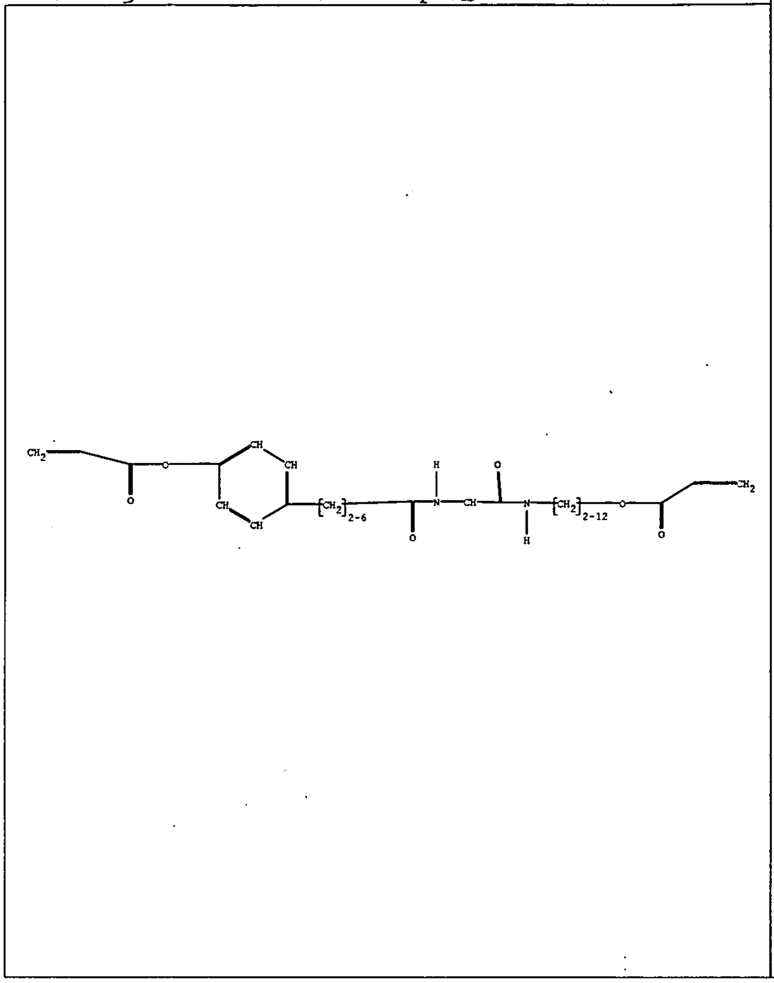
Hide Items | Restore | Clear | Cancel

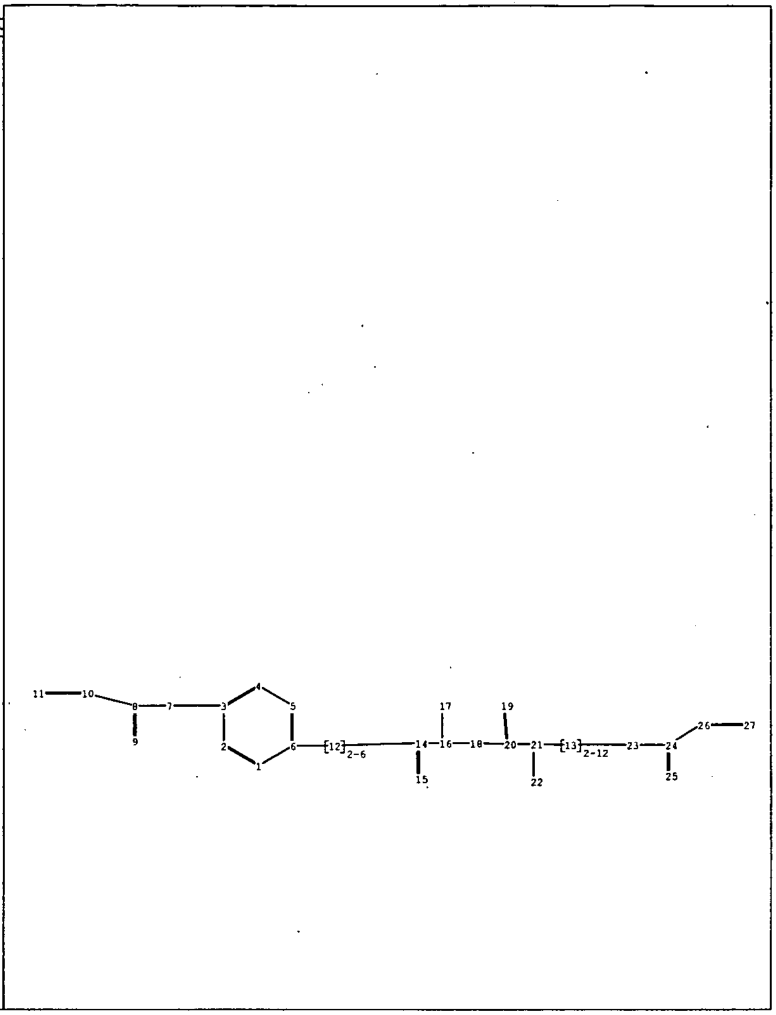
DATE: Monday, October 17, 2005

Hide?	**Set Name**	**Query**	**Hit Count**
		DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=ADJ	
☐	L18	gel$ near interface near2 agent$	7
☐	L16	L15 with (interface)	36
☐	L15	gelling agent$ or geling agent$	25232
☐	L13	us-6682787-$.did.	2
☐	L12	gel$ and l11	10
☐	L11	6740255 or 6682787 or 6645577 or 6333081 or 6610216	19
☐	L10	liquid crystal$ same gelatin$ same temperature same regions same align$	2
		DB=JPAB; PLUR=NO; OP=ADJ	
☐	L9	JP-2004175881-A.did.	1
		DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=ADJ	
☐	L8	liquid crystal$ same gelatin$ same temperature same denature$	2
☐	L5	L1 same polymerizable	9
☐	L4	L3 and polymerizable	6
☐	L3	L1 same liquid crystal$	26
☐	L2	L1 and liquid crystal$	42
☐	L1	gel$ with (hydrogen bond or hydrogen-bond)	274

END OF SEARCH HISTORY

C:\Program Files\Stnexp\Queries\682195.st





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chain nodes :
    7   8   9   10   11   12   13   14   15   16   17  18   19   20   21   22   23   24   25   26
    27
ring nodes :
    1   2   3   4   5   6
chain bonds :
    3-7  6-12  7-8  8-9  8-10  10-11  12-14  13-21  13-23  14-16  14-15  16-17
    16-18  18-20  19-20  20-21  21-22  23-24  24-25  24-26  26-27
ring bonds :
    1-2  1-6  2-3  3-4  4-5  5-6
exact/norm bonds :
    3-7  7-8  8-9  14-16  14-15  16-18  19-20  20-21  23-24  24-25
exact bonds :
    6-12  8-10  10-11  12-14  13-21  13-23  16-17  18-20  21-22  24-26  26-27
normalized bonds :
    1-2  1-6  2-3  3-4  4-5  5-6


Match level :
    1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:CLASS  8:CLASS  9:CLASS
    10:CLASS  11:CLASS  12:CLASS  13:CLASS  14:CLASS  15:CLASS  16:CLASS
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    24:CLASS  25:CLASS  26:CLASS  27:CLASS
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AN   2004:430342  CAPLUS
DN   141:14545
ED   Entered STN:  27 May 2004
TI   Liquid crystal composition having alignment direction self-control
     characteristics and liquid crystal display element
IN   Kato, Takashi; Mizoshita, Norihiro
PA   Takashi Kato, Japan; JSR Corporation
SO   U.S. Pat. Appl. Publ., 10 pp.
     CODEN: USXXCO
DT   Patent
LA   English
IC   ICM  C09K019-38
     ICS  C09K019-52; C09K019-54
INCL 252299010; 252299500; 428001100
CC   74-13 (Radiation Chemistry, Photochemistry, and Photographic and Other
     Reprographic Processes)
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
     ---------------     ----   --------    --------------------    --------
PI   US 2004099841        A1    20040527    US 2003-682195          20031010
     JP 2004175881        A2    20040624    JP 2002-342461          20021126
PRAI JP 2002-342461       A     20021126
CLASS
 PATENT NO.      CLASS  PATENT FAMILY CLASSIFICATION CODES
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 US 2004099841   ICM    C09K019-38
                 ICS    C09K019-52; C09K019-54
                 INCL   252299010; 252299500; 428001100
 US 2004099841   NCL    252/299.010
                 ECLA   C09K019/54
 JP 2004175881   FTERM  2H088/GA02; 2H088/GA10; 2H088/GA11; 2H088/GA12;
                        2H088/HA03; 2H088/KA20; 2H088/LA06; 2H089/HA03;
                        2H089/HA08; 2H089/HA09; 2H089/JA05; 2H089/JA06;
                        2H089/KA03; 2H089/KA08; 2H089/SA14; 2H089/TA04;
                        2H090/KA11; 2H090/MB01; 4H027/BD12; 4H027/BD24;
                        4H027/BE07; 4H027/CA03; 4H027/CB00; 4H027/CD04;
                        4J011/PA44; 4J011/PB40; 4J011/PC02; 4J011/QA12;
                        4J011/QA33; 4J011/QA38; 4J011/SA54
AB   A liquid crystal composition comprising a liquid crystal compound, a gelling
agent
     including a hydrogen-bonded compound with polymerizable double bonds at both
     ends to form a gelatinizable mixture with the liquid crystal compound, and a
     photoinitiator causing a polymerization reaction of the hydrogen-bonded
compound of
     the gelling agent are disclosed.  Because the denatured liquid crystal
     composition, obtainable by photopolymn. of the non-denatured liquid crystal
     composition, has alignment direction self-control characteristics, the liquid
     crystal composition can be reversibly changed between the isotropic state and
     the aligned gelatinized state by controlling the temperature conditions not
only
     in a non-denatured state but also in a denatured state.  A liquid crystal
     display element using the inventive liquid crystal composition is also
disclosed.
ST   liq crystal display compn alignment direction selfcontrol characteristic
IT   Liquid crystal displays
        (liquid crystal composition having alignment direction self-control
        characteristics and liquid crystal display element)
IT   694459-76-2
     RL: TEM (Technical or engineered material use); USES (Uses)
        (crystal material; liquid crystal composition having alignment direction
        self-control characteristics and liquid crystal display element)
IT   694459-73-9
     RL: TEM (Technical or engineered material use); USES (Uses)
        (gelling polymerizable agent; liquid crystal composition having alignment
        direction self-control characteristics and liquid crystal display
        element)
IT   694459-74-0P
     RL: PNU (Preparation, unclassified); TEM (Technical or engineered material
     use); PREP (Preparation); USES (Uses)
        (liquid crystal composition having alignment direction self-control
        characteristics and liquid crystal display element)
IT   24650-42-8
     RL: TEM (Technical or engineered material use); USES (Uses)
        (photoinitiator; liquid crystal composition having alignment direction
        self-control characteristics and liquid crystal display element)
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